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— 国際調査報告書
- 2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: SUBTYPE OF HUMANIZED ANTIBODY AGAINST INTERLEUKIN-6 RECEPTOR

(54) 発明の名称: インターロイキン-6受容体に対するヒト型化抗体のサブタイプ

(57) Abstract: As a subtype of humanized PM-1 antibody against interleukin-6 receptor (IL-6R), there is provided antibody subtype (1) whose one heavy chain C terminus consists of Pro-NH<sub>2</sub> (447). As another subtype of humanized PM-1 antibody against interleukin-6 receptor (IL-6R), there is provided antibody subtype (2) whose both heavy chain C termini consist of Pro-NH<sub>2</sub> (447). Furthermore, there are provided pharmaceutical compositions comprising these.

(57) 要約: インターロイキン-6受容体 (IL-6R) に対するヒト型化PM-1抗体のサブタイプであって、片方の重鎖C末端がPro-NH<sub>2</sub> (447) である抗体サブタイプ (1)、及びインターロイキン-6受容体 (IL-6R) に対するヒト型化PM-1抗体のサブタイプであって、両方の重鎖C末端がPro-NH<sub>2</sub> (447) である抗体サブタイプ (2)、並びにこれらを含んで成る医薬組成物。

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006229

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.<sup>7</sup> C07K16/28, A61K39/395, A61P1/04, 1/18, 13/12, 17/06, 19/02,  
29/00, 31/04, 31/18, 35/00, 37/02, 37/06//C12N15/09, C12P21/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.<sup>7</sup> C07K16/28, A61K39/395, A61P1/04, 1/18, 13/12, 17/06, 19/02,  
29/00, 31/04, 31/18, 35/00, 37/02, 37/06//C12N15/09, C12P21/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005  
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI (DIALOG), BIOSIS (DIALOG), JICST FILE (JOIS)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 05-227970 A (Chugai Pharmaceutical Co., Ltd.), 07 September, 1993 (07.09.93), Par. Nos. [0140] to [0143], [0170] to [0171] & WO 1992/019759 A1 Page 64, line 3 to page 65, line 15; example 10 & US 5795965 A1 & EP 0628639 A1	1-6
Y	JP 2002-510211 A (Genentech, Inc.), 02 April, 2002 (02.04.02), Page 77, line 14 to page 79, line 10 & WO 1999/001556 A2 & US 5994511 A1	1-6



Further documents are listed in the continuation of Box C.



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## \* Special categories of cited documents:

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"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;"

document member of the same patent family

Date of the actual completion of the international search  
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International application No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	MILLER et al., Characterization of a bifunctional peptidylglycine alpha-amidating enzyme expressed in Chinese hamster ovary cells, Arch.Biochem.Biophys., Vol.298, No.2, 01 November, 1992 (01.11.92), pages 380 to 388	1-6
Y	RAY et al., Production of salmon calcitonin by direct expression of a glycine-extended precursor in Escherichia coli, Protein Expr. Purif., Vol.26, No.2, 2002.11, pages 249 to 259	1-6
Y	JP 2002-525104 A (SmithKline Beecham Corp.), 13 August, 2002 (13.08.02), Par. No. [0123] & WO 2000/018804 A1 & US 6365154 B1	1-6
Y	JP 06-319396 A (Japan Tobacco Inc.), 22 November, 1994 (22.11.94), Par. No. [0028] (Family: none)	1-6
Y	ADAMCZYK et al., Complete sequencing of anti-vancomycin fab fragment by liquid chromatography-electrospray ion trap mass spectrometry with a combination of database searching and manual interpretation of the MS/MS spectra, J.Immunol.Methods, Vol.260, No.1-2, 01 February, 2002 (01.02.02), pages 235 to 249	1-6
A	HIRATA et al., Characterization of IL-6 receptor expression by monoclonal and polyclonal antibodies, J.Immunol., Vol.143, No.9, 01 November, 1989 (01.11.89), pages 2900 to 2906	1-6